

Cont
Sub C1

5 a second sensor array connected to said network comprising sensors
6 capable of producing a second response in the presence of a physical stimulus;
7 a computer connected to said network;
8 a computer readable algorithm for execution by said computer for
9 identifying said analyte, said computer readable algorithm comprising
10 instructions for comparing said first response and said second
11 response with a known response, and
12 instructions for identifying said unknown analyte.

Sub C2

1 19. (Amended) A method for transferring a combination of chemical and
2 physical data over a computer network for identification of an analyte, said method
3 comprising:
4 transmitting sensory data from a first sensor array comprising sensors
5 capable of producing a first response in the presence of a chemical stimulus to a remote
6 location;
7 transmitting physical data from a second sensor array comprising sensors
8 capable of producing a second response in the presence of a physical stimulus to a remote
9 location; and
10 processing said sensory and physical data at said remote location for
11 identification of an analyte, wherein said processing comprises
12 comparing said first response and said second response with a
13 known response, and
14 identifying said unknown analyte.

Please add the following new claims:

Sub C7

1 --23. A distributed sensing system in a networked environment for
2 identifying an analyte, said system comprising:

3 a first sensor array connected to said network comprising sensors capable
4 of producing a first response in the presence of a chemical stimulus, wherein said first
5 sensor is connected with said network via a wireless connection;

6 a second sensor array connected to said network comprising sensors
7 capable of producing a second response in the presence of a physical stimulus;

8 a computer connected to said network;
9 computer readable instructions for execution by said computer for
10 identifying said analyte, said computer readable instructions comprising

11 instructions for comparing said first response and said second
12 response with a known response, and
13 instructions for identifying said unknown analyte.

1 24. A distributed sensing system in a networked environment for
2 identifying an analyte, said system comprising:

3 a first sensor array connected to said network comprising sensors capable
4 of producing a first response in the presence of a chemical stimulus;

5 a second sensor array connected to said network comprising sensors
6 capable of producing a second response in the presence of a physical stimulus, wherein
7 one of said sensors in said second sensor array is an infrared sensor;

8 a computer connected to said network;
9 computer readable instructions for execution by said computer for
10 identifying said analyte, said computer readable instructions comprising
11 instructions for comparing said first response and said second
12 response with a known response, and
13 instructions for identifying said unknown analyte.

1 25. A distributed sensing system in a networked environment for
2 identifying an analyte, said system comprising:

3 a first sensor array connected to said network comprising sensors capable
4 of producing a first response in the presence of a chemical stimulus, wherein said first
5 sensor is connected with said network via a wireless connection;
6 a second sensor array connected to said network comprising sensors
7 capable of producing a second response in the presence of a physical stimulus, wherein
8 one of said sensors in said second sensor array is an infrared sensor;
9 a computer connected to said network;
10 computer readable instructions for execution by said computer for
11 identifying said analyte, said computer readable instructions comprising
12 instructions for comparing said first response and said second
13 response with a known response, and
14 instructions for identifying said unknown analyte.--

REMARKS

Claims 1-11 and 19-22 are pending in the present application and presented for examination. Claims 1 and 19 have been amended. New claims 23, 24 and 25 have been added. No new matter has been added with the foregoing amendments and newly added claims. The claims as pending are set forth in the Appendix for the Examiner's convenience. Reconsideration is respectfully requested.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "**Version with markings to show changes made.**"

As a request for continued examination accompanies this response, Applicants respectfully request that the amendments and new claims be entered.